2019 ISLAND AGROLOGY WORKSHOP

August 18-20th, 2019

Stanley Bridge Resort, Stanley Bridge, PEI

Theme:

Building Resiliency in Maritime Agriculture

Exploring the effect of a changing climate on agriculture and how to respond to those changes today.

Registration Fees:

Early Bird Deadline (July 15th): $125.00

After July 15th: $145.00

Includes all sessions, meals, and tour transportation.
Book now, as space is limited for this workshop!

To register online, visit www.peiia.ca/events.

Host Venue: **Stanley Bridge Resort**
10090 Route 6, Stanley Bridge, PEI Tel: (902) 886-2882
Limited rooms available - Quote "PEI Agrologists" block
Block will be released July 17th

CCA credits will be available.

PRINCE EDWARD ISLAND INSTITUTE of AGROLOGISTS

Sunday, August 18th

4:30 - 6:00 pm	**Registration**
6:00 pm	**Hospitality Suite - Stanley Bridge Resort** Featuring PEI food and beverages!

Monday, August 19th

7:00 - 8:00 am	**Continental Breakfast**
7:00 - 9:00 am	**Registration**
8:00 am	**Welcoming Remarks**
8:15 am	**Dr. Judith Nyiraneza**, AAFC Charlottetown *Current Status of Maritime Soils*
8:45 am	**Stephanie Arnold**, UPEI Climate Lab *Dynamic Climate Change Adaptation for Potato Production*
9:15 am	**Jamie Hewitt**, AAFC Ottawa *Overview of Climate Change Adaptation in the Canadian Agriculture Sector*
10:00 am	**Break**
10:15 am	**Dr. Phil Haygarth**, Lancaster University, UK *Building Soil and Watershed Resilience in a Changing Climate - A Turning Point in the Phosphorus Cycle?*
11:00 am	**Dr. David Burton**, Dalhousie Faculty of Agriculture *Changes in Nitrogen Management in Response to a Changing Climate*
11:30 am	**Dr. Josh Faulkner**, University of Vermont *On-Farm Climate Adaptation in New England*

12:30 pm	**Agricultural Tour** leaving from Stanley Bridge Resort Lunch provided Includes visits to: Abelaine Holsteins, Atlantic Agri-Tech and Glasgow Glen Cheese in New Glasgow Sommerset Farms, Maple Plains
5:00 pm	**Return to Stanley Bridge Resort**
6:30 pm	**BBQ Dinner, followed by Social** Stanley Bridge Resort

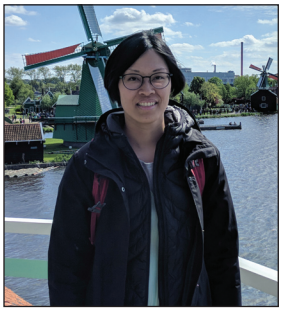
Tuesday, August 20th

7:30 - 8:30 am	**Continental Breakfast**
8:30 am	**Michelle Cortens**, Perennia, NS *Adaptations in the Nova Scotia Fruit Industry*
9:00 am	**Dr. Claude Caldwell**, Field to Fork Agrisystems *Crop Diversification & New Crop Opportunities*
9:30 am	**Evan MacDonald**, PEI Dept of Agriculture & Land *New Tools in Soil Conservation/Sustainability*
10:00 am	**Break**
10:15 am	**Candace Vinke**, Viresco Solutions, AB *Opportunities in the Carbon Economy*
10:45 am	**Panel Discussion**: Where do we go from here? Featuring: - Dr. Phil Haygarth - Matt Ramsay, Oyster Cove Farms - Cedric MacLeod, MacLeod Agronomics

SPEAKER BIOS:

Dr. Judith Nyiraneza, Ph.D.

Dr. Judith Nyiraneza holds a B.Sc. degree in agronomy, a M.Sc. degree in Crop and Soil Sciences from Michigan State University, and a Ph.D degree in Soil and Environment from Laval University. Dr. Nyiraneza's research contributes to increase agricultural productivity, and to enhance environmental performance. Her research aims to better understand nitrogen and carbon cycling under diversified cropping systems and to identify strategies to enhance phosphorus use efficiency in acidic soils. Dr. Nyiraneza tests different agricultural practices to enhance soil organic matter under low residue cropping systems.



Stephanie Arnold, MBA

Stephanie studied Business Administration (MBA) and Chemical Engineering (BSc) at the University of Toronto. She began working with the UPEI Climate Research Lab in 2014. She developed the Prince Edward Island Climate Change Adaptation Recommendations Report for the Provincial Government. The report outlines anticipated climate change impacts for 10 different sectors (e.g., Agriculture, Fish and Aquaculture, Properties and Infrastructure, Public Health and Safety, Water) and recommends adaptation actions to address them. Stephanie has returned to graduate studies to pursue her PhD in Environmental Sciences. Her research focuses on helping the agricultural sector navigate climate change, using drones to determine if farms have already reached trigger points for adaptation, and increasing the a daptive capacity of the agricultural industry.

Jamie Hewitt

Jamie Hewitt has a degree in Environmental Science from the University of Manitoba, and is currently the federal co-chair of the Federal, Provincial, Territorial Agri-Environmental Policy Working Group. He has worked at Agriculture and Agri-Food Canada since 2000 delivering on farm soil and water conservation programs, modelling climate change impacts on agriculture and helping to design national agri-environmental initiatives and policies to support farm level stewardship efforts.

Philip Haygarth, Ph.D.

Phil is a Professor of Soil and Water Science at Lancaster University in the UK. He started his research on the biogeochemistry of phosphorus in the early 1990s and most recently has led a focus on organic phosphorus and modelling change in the phosphorus cycle in soil and catchments. He has led BBSRC, NERC and Defra Grants and is currently Director of the NERC/BBSRC Centre for Doctoral Training on Soil Science. He was previously the President of the British Society of Soil Science. He is currently a director of the STARS Centre for Doctoral Training on Soil Science. He completed his Ph.D. from Lancaster University in 1992, and has since published more than 150 refereed journal papers in the area of soil and water science.

David L. Burton, Ph.D., P.Ag.

Dr. David Burton is a Soil Scientist and Professor in the Department of Plant, Food, and Environmental Sciences in the Faculty of Agriculture, Dalhousie University. Dr. Burton's research examines the role of the soil environment in influencing the nature and extent of microbial metabolism in soil. His focus has been on processes in the cycling of nitrogen in soils and their implications for soil fertility and environmental impact. Dr. Burton is a Past President of the Canadian Society of Soil Science, serves as an Associate Editor of Canadian Journal of Soil Science, and is part of Fertilizer Canada's 4R advisory panel.

Joshua Faulkner, Ph.D.

Joshua Faulkner is a Research Assistant Professor for University of Vermont Extension, with appointments in the Plant and Soil Science and the Civil and Environmental Engineering departments at UVM. He has coordinated the Farming and Climate Change Program in UVM Extension's Center for Sustainable Agriculture for the past six years. He does applied research and outreach on soil, water, and nutrient related issues across the state and region, and works with farmers on practices and innovative solutions to improve management of these resources and enhance farm resilience to climate change. His focus spans from the farmstead to the watershed scale. He has a BS from Virginia Tech in Biological Systems Engineering, and an MS and PhD from Cornell University, both in Agricultural and Biological Engineering.

Michelle Cortens, M.Sc.

Michelle joined Perennia in September 2017 to support the growth and development of the tree fruit industry in Nova Scotia. She is a resource to producers in all aspects of conventional and organic horticulture systems for tree fruit crops including apple, pear, peach, plum, cherry, and tree nut. Michelle has a B.Sc. (2014) and M.Sc. (2016) from the University of Guelph with a focus on plant agriculture and fruit crops. For her M.Sc., Michelle researched chemical thinning of apple trees including the use of new thinners to anticipate regulatory changes, and options for late thinning. Her extension activities include responding to farm inquiries, conducting applied research, hosting production workshops & tours, and publishing factsheets and the Orchard Outlook newsletter.

Dr. Claude Caldwell, Ph.D.

Dr. Claude Caldwell is Professor Emeritus in the Department of Plant, Food, and Environmental Sciences in the Faculty of Agriculture, Dalhousie University and Chief Scientific Officer for Field to Fork Agrisystems Consulting. By formal training he is a physiological ecologist and plant biophysicist. However, he has been active in agriculture since 1980, when he started as a research scientist with AAFC in Alberta. He has expertise in cropping systems, new crop development and agroecology. Claude has 38 years of experience in cereal and oilseed agronomy in crops that range from bread wheat to hemp. He has published extensively (>100 peer reviewed publications). He completed his B.Sc. from Mount Allison University, his M.Sc. from Dalhousie University, and his Ph.D. from the University of East Anglia, UK.

Evan MacDonald, M.Sc., AIT

Evan works as a Soil and Water Conservation Specialist with the PEI Department of Agriculture & Land. His role includes working with farmers in limiting soil erosion on their fields through the development of soil conservation plans. In addition to soil conservation work, he is involved in various projects involving precision agriculture and the use of technology/data to improve decisions on the farm. He also manages the Department's weather network of 11 stations across the Island. Evan graduated with a Bachelor's Degree in Geography from Saint Mary's University in 2010, a diploma in Advanced Geographic Sciences (GIS) from the Center of Geographic Sciences in 2011, and a M.Sc. in Environmental Science from UPEI in 2018.

Candace Vinke, M.A.

Candace has a Master of Arts degree in Geography from the University of Victoria and a Bachelor of Science degree in Geography from the University of Calgary. Prior to joining Viresco Solutions, Candace was the Manager of Agricultural and Social Projects with The Prasino Group. In this role she led a team of sustainability professionals working on consulting projects related to agricultural offset protocol development, greenhouse gas emission reduction quantification, environmental market policy and opportunity research (RFS2, LCFS, Carbon, Water Quality, etc.) and supply chain sustainability. Common themes throughout Candace's work have included climate change, environmental markets, poverty and inequality.

Cedric MacLeod, M.Sc.

Cedric is a farmer, agronomist and consultant with his own business, MacLeod Agronomics, which specializes in the analysis and integration of sustainable agricultural practices. Cedric works one-on-one with producers, focusing on greenhouse gas reduction and renewable energy projects. As a farmer, agrologist and consultant, Cedric has a unique ability to connect with and engage fellow farmers, bringing enhanced insight and demonstrable relevance to the farming community – showing farmers how they can overcome the vast challenges presented by an ever-changing and increasingly complex sector. Cedric has a B.Sc. (Agr) from the Dalhousie Faculty of Agriculture and an M.Sc. in Soil Science from the University of Manitoba.

Matthew Ramsay, MBA

Matthew is a partner in Oyster Cove Farms, a family-owned farm in Hamilton, Prince Edward Island. Along with his father and two brothers, they grow potatoes (conventional and organic), grain, pulse crops, and organic hemp. He has been active diversifying the crop rotation on their farm to naturally fight soil borne pests and diseases while also improving soil health and soil organic matter. This has led to the use of a number of new rotation crops, including brown mustard, buckwheat, sorghum sudangrass, pearl millet, and alfalfa. Matthew is active in working as an agricultural advisor with the Kensington North Watershed Association, as well as roles with the PEI Soil and Crop Improvement Association, PEI Organic Producers Cooperative and AIM Soil Improvement Working Group.